

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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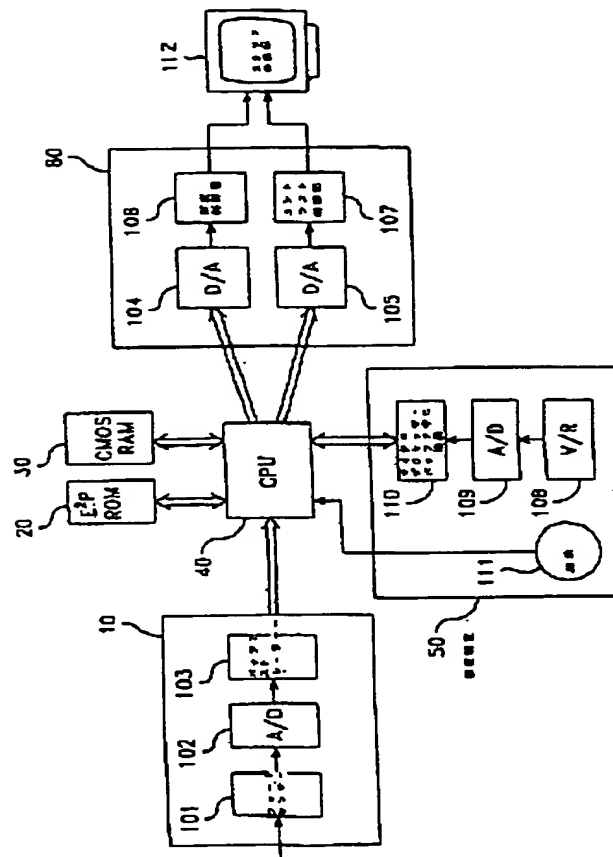
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TITLE : SYSTEM AND METHOD FOR  
AUTOMATICALLY CONTROLLING  
LUMINANCE AND CONTRAST BY  
DISPLAY



ABSTRACT : PROBLEM TO BE SOLVED: To sense the light source luminance of usage environment and to automatically adjust the brightness and darkness of a screen and contrast to a proper degree by respectively storing plural light source luminance relation tables and a light source contrast relation tables and using them.

SOLUTION: An optical change-over device 10 automatically adjust the luminance and contrast of a display by the conditions of an external light beam and changes-over the light beam into light source digital materials and the light source digital materials indicate the luminance of the external light beam. ROM 20 stores the pre-arranged first light source luminance relation table and the pre-arranged first contrast relation table, RAM 30 stores the second light source luminance relation table and the second light source contrast relation table and  $\mu$ CPU 40 utilizes the luminance digital materials obtained based on the light source digital materials and the second light source luminance relation table and the digital materials obtained based on the second light source contrast relation table. The display 112 receives the respective generated materials so as to adjust the luminance and contrast of the display.

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